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TT-65-27475 Field 8I

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I. Khalikov, G. A.
II. MTWL-1306
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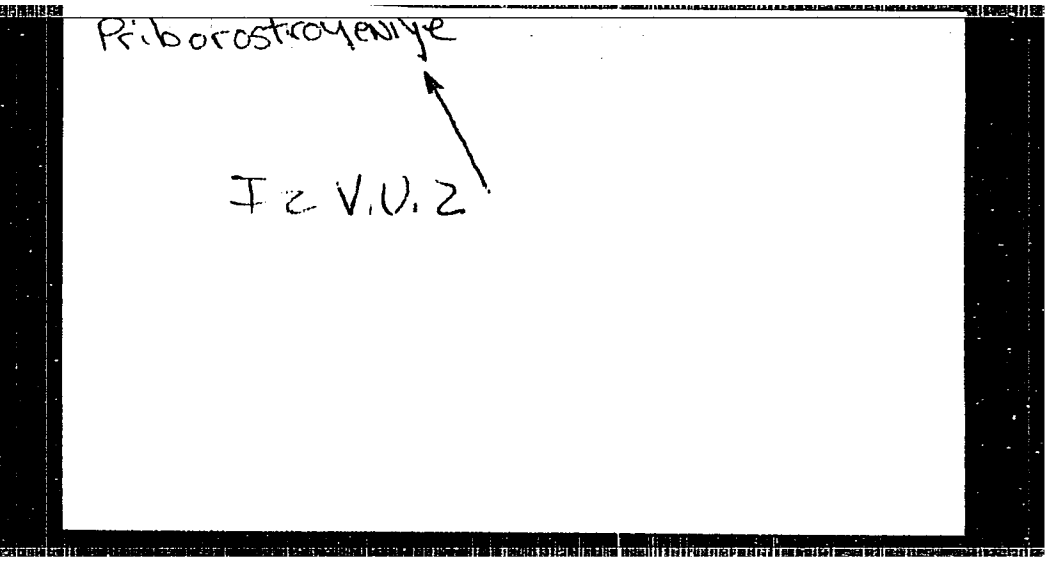

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A PHOTOELECTROMETRIC AMPLIFIER AND ITS USES (Fotoelektrometricheskiy Usilitel' i yego ispol'zovaniye) tr. by A. Pingell. 1960, 12p. 6 refs. N R L Trans. no. 822.
Order from OTS $0.50 60-21976

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The instrument of the "ФЭУ-2М" type has three measurement limits: 100, 500, and 2000 mv. The time of damping of the instrument is 0.3 sec. The error at a 100 mv limit does not exceed 1%. The value of the output current for all measurement limits is 5 ma, with a loaded impedance up to 300 ohms. The use of this apparatus in practice has demonstrated its high operational properties. (Author)

(Engineering--Electronic, TT, v. 5, no. 11)

60-21976

1. Voltage amplifiers--Design
2. Title: Photoelectrometric amplifier
I. Kulikovskiy, L. F.
II. Vidmanov, Yu. I
III. NRL Trans-822
IV. Naval Research Lab., Washington, D. C.

9676906

160978

Office of Technical Services

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Order from OTS or SLA $2.60 62-14000

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1960, v. 3, no. 5, p. 10-19.

DESCRIPTORS: Petroleum industry, Oils, Processing, Industrial plants, *Pressure, Measurement, *Telemeter systems, Telemetering, *Transducers, *Magnetic fields.

The pressure telemetering system described here is a self-compensating mechanism which represents the magnitude of the measured pressure by means of an inductive transducer with a mixed magnetic field. The (Engineering--Electronic, TT, v. 8, no. 3) (over)

62-14000

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23 Jan 62

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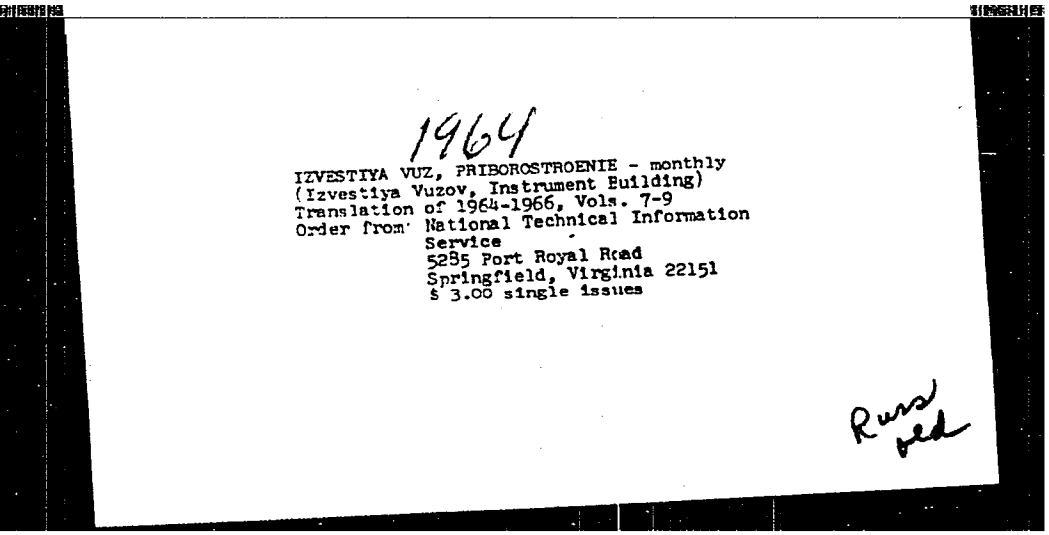

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Translation of 1964-1966, Vols. 7-9
Order from: National Technical Information
Service
5285 Port Royal Road
Springfield, Virginia 22151
$ 3.00 single issues

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Troitskii, V. S.
CERTAIN PROBLEMS OF THE THEORY OF FLUCTUATIONS IN OSCILLATORS: THE INFLUENCE OF FLICKER NOISE (Nekotorye Voprosy Teorii Flyuktautsii v Avtoreneratotakh; Vliyanie Flikker-Shuma) tr. by Robert Judson. June 61 [25]p. 21 refs. Order from OTS or SLA $2.60 61-28688

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1958 [v. 1] no. 1, p. 20-33.

DESCRIPTORS: *Oscillators, Radiofrequency generators, Frequency, Measurement, Phase shifters, *Noise (Radio), Electronic equipment.

Previous developments of fluctation theory satisfactorily explained only the wings of the spectral distribution of the output power of radio frequency generators. (Physics--Electronics, TT, v. 7, no. 7) (over)

61-28688

1. Title: Flicker noise
I. Troitskii, V. S.

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Contribution to the Theory of Motion of Ionospheric Inhomogeneities, by V. P. Dokuchayev, 17 pp. UNCL

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ATD P-22-9844/XIX

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Neimark, Yu. I.
THE METHOD OF POINT TRANSFORMATIONS IN THE THEORY OF NON-LINEAR OSCILLATIONS, I.
[1961] [52]p. 34 refs.
Order from OTS or SLA $5.60 61-16438

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1958 [v. 1] no. 1, p. 41-66.

DESCRIPTORS: Control systems, Stability, *Oscillations, Theory, Mathematical analysis, *Transformations (Mathematics), *Differential equations.

This study represents the first part of a systematic exposition of certain general questions on the method of point transformations in the application to systems with an arbitrary number of degrees of freedom. (Author)

(Engineering--Electronic, TT, v. 6, no. 10)

61-16438

I. Neimark, Yu. I.

1[illegible]088

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(DC-3901/33)

On Transformations of Program Flow Diagrams, by Yu. I. Yanov, 11 pp.

RUSSIAN, per, Iz Vysshikh Uchsb Zaved, Radiofiz, No 1, 1958, pp 110-119.

JPRS 6868

Sci - Misc

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Lupanov, O. B.
ON A METHOD OF SYNTHESIS OF NETWORKS
S. W. Golomb, tr. 26 Aug 63 [27p] 20refs JPLAI/Trans-36; NASA CR-52251; N64-10090.
Contract NAS7-100
Order from OTS, SLA, or ETC $2.60 TT-64-13109

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika [USSR] 1958 [v. 1] no. 1, p. 120-140.
(Abstract available)

DESCRIPTORS: *Cybernetics, *Networks, *Circuits, Synthesis, *Computer logic

A description of a certain general method for the synthesis of networks—for example, contact networks, contact parallel-series networks, and networks of functional elements—is given, and the previously known estimates of the complexity of these networks are improved upon. (Author)
(Mathematics--Computing Devices, TT, v. 11, no. 3)

TT-64-13109

I. Lupanov, O. B.
II. JPLAI/Trans-36
III. NASA-CR-52251
IV. N64-10090, $2.60 ph, $1.01 mf
V. Jet Propulsion Lab., Calif. Inst. of Tech., Pasadena
VI. Contract NAS7-100

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(DC-4288)

Some Features of the Logical Structure of the GIFTI Machine and Programming in Its Code, (Part I), by A. M. Gil'man, 13 pp.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Radiofiz, No 1, 1958, pp 141-149.

JPRS 6917

Sci - Misc

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Concerning the Problem of the Reflection of Electromagnetic Waves from the Inhomogeneities of the Epstein-Layer Type, by V. Y. Ivanchikov, 5 pp. UNCL

RUSSIAN, per, In Vysshykh Uchebnykh Zavedeniy Radiofiz, No 1, 1958, pp 150-152.

AFRC P-59-9804/III

Sci - Geophys
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Atmospheric Radio Emission and Investigation of the Absorption of Centimetric Radio Waves, by S. Zhevakin,

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedenii Radiofizika, Vol I, No 2, pp 19-26., 1958.

C.S.I.R.O. 4558

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Static and Dynamic Characteristics of Discharge with Oscillating Electrons in a Magnetic Field, by E. M. Reykhrudel' and G. M. Smirnitskaya, 16 pp. UNCL

RUSSIAN per, Iz Vyashikh Uchebnykh Zavedeniy, Radiofiz Otdel Ottisk, Vol I, No 2, 1958, pp 36-44.

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Peculiarities of Ignition From a Discharge in a High Vacuum in a Magnetic Field, by E. M. Reykhrudel' and G. V. Smirnitskaya, 11 pp. UNCL

RUSSIAN per, Iz Vysshikh Uchebnykh Zavedeniy, Radiofiz, Otdel Otvisk, Vol I, No 2, 1958, pp 45-50

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Absorption and Radiation of Electromagnetic Waves by a Magnetoactive Plasma, by V. L. Ginzburg & V. V. Zheleznyakov.
RUSSIAN, per, VUZ, Izv., Radiofizika, Vol 1, No 2, 1958, pp 59-65.
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MDF-G-159

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Navy Tr 3514/APL 831

Sci - Phys
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(DC-4288)

Some Features of the Logical Structure of the GIFTI Machine and Programming in Its Code (Part II), by A. M. Gil'man, 29 pp.

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Sci - Misc

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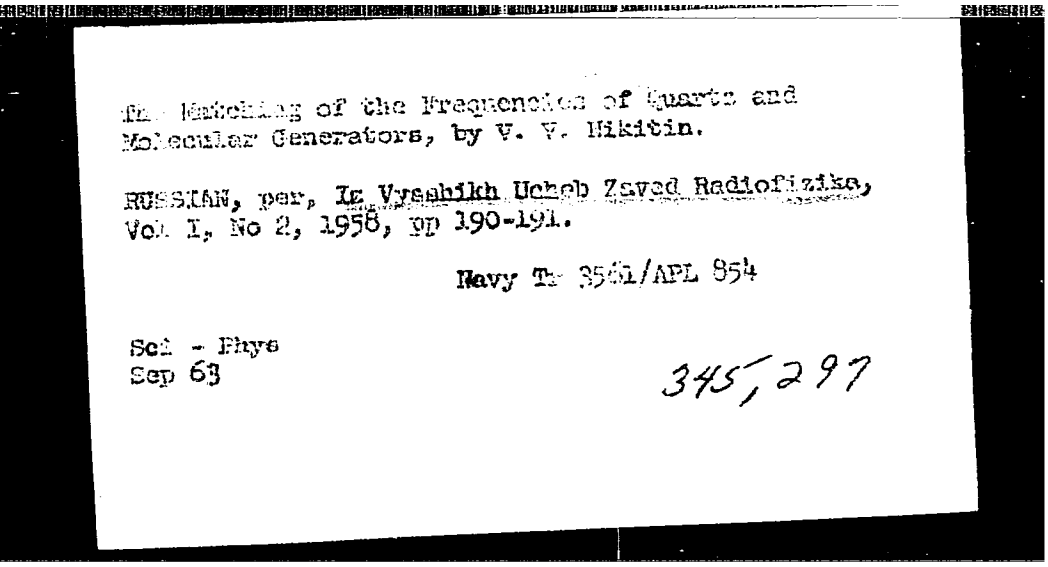

Re Matching of the Frequencies of Quartz and Molecular Generators, by V. V. Nikitin.

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Navy Tr 3561/APL 854

Sci - Phys
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JPRS 1613-N

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On Singularities of Quasi-Transverse Magnetohydrodynamic Wave Propagation in a Plasma, by B. N. Gershman, M. S. Kovner, 7 pp.

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Distribution of Scattering Elements for Propagation of Radio Waves over an Agitated Sea Surface, by S. Ya. Braude, 8 pp.

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JPRS 1612-H

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Motion of Charged Particles in High-Frequency Electromagnetic Fields, by M. A. Miller, 19 pp.

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